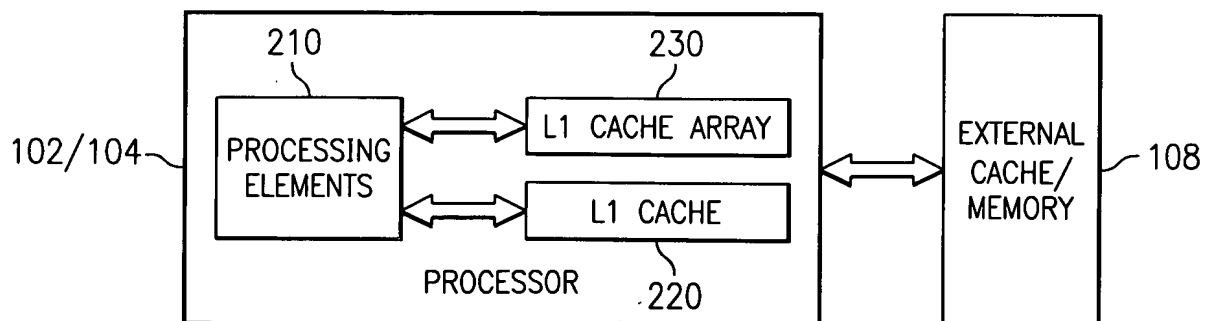
**FIG. 2**

FIG. 3

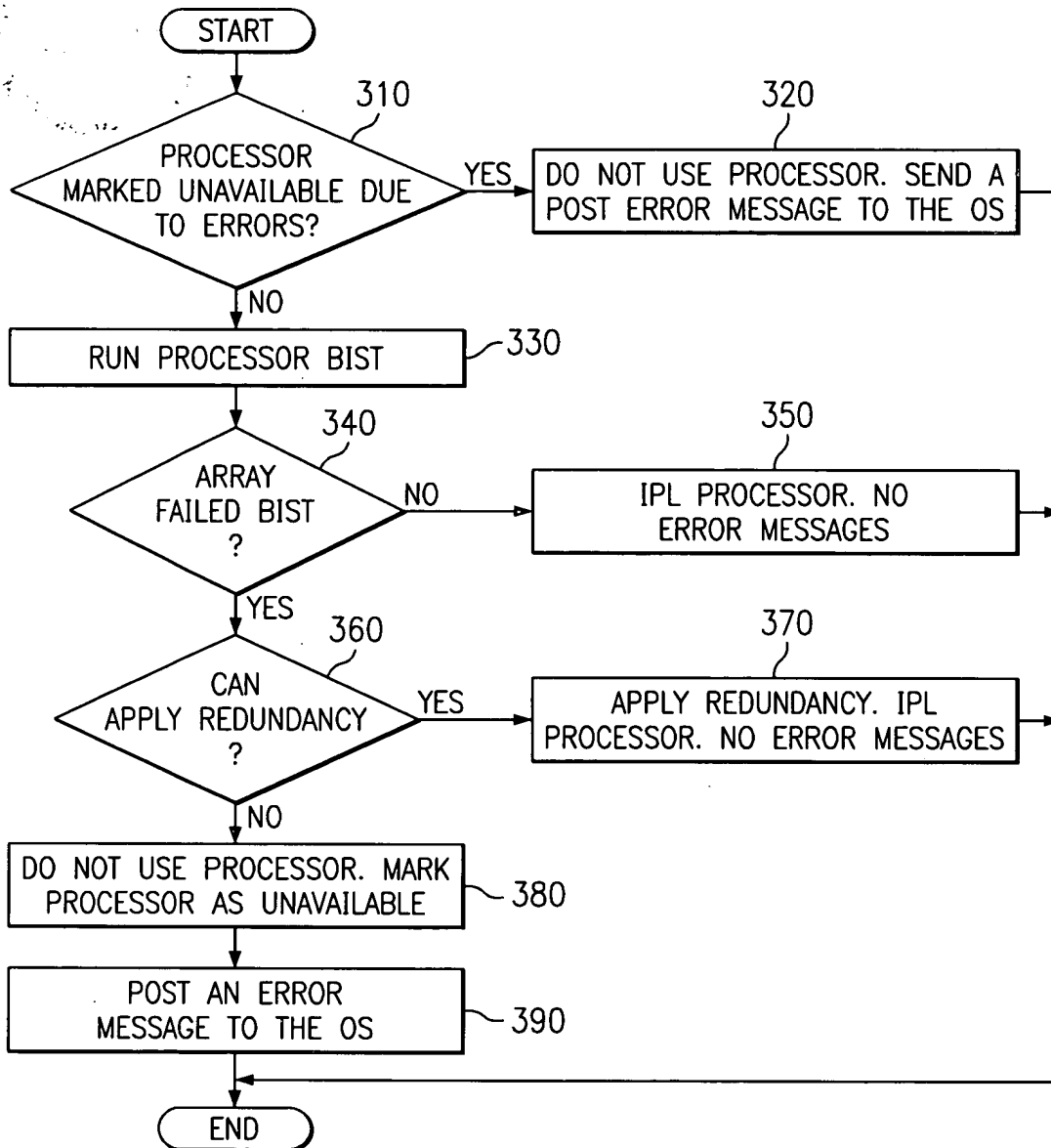


FIG. 4

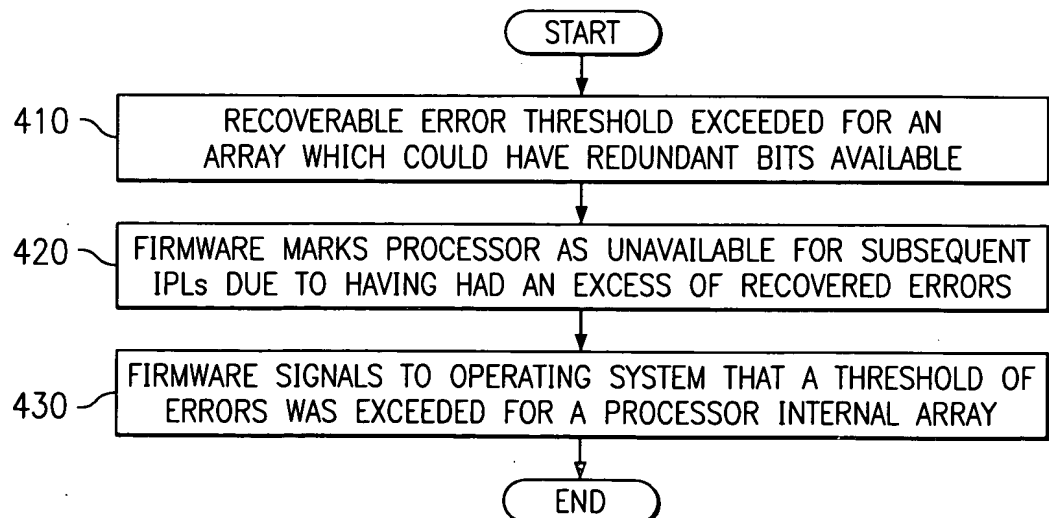


FIG. 5

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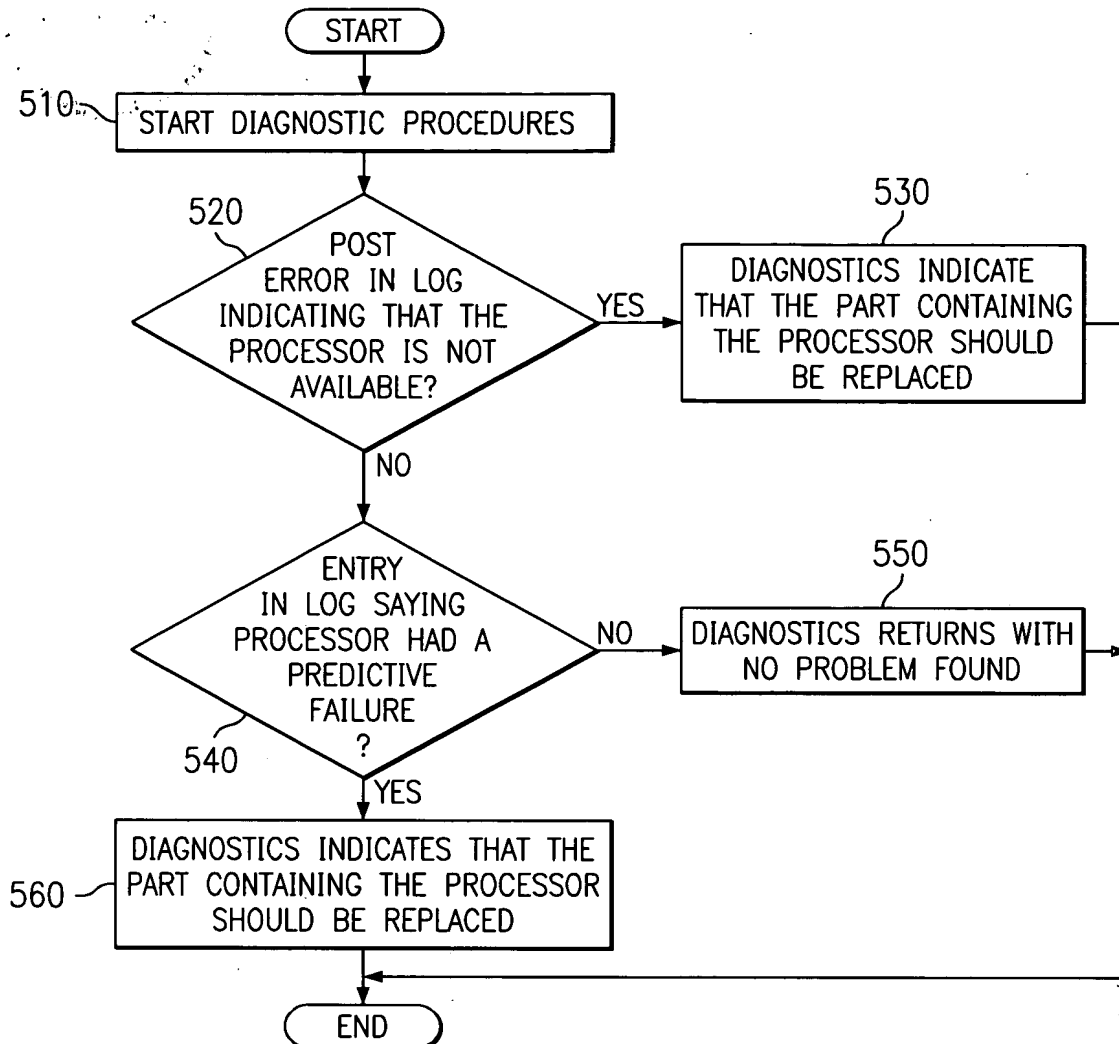
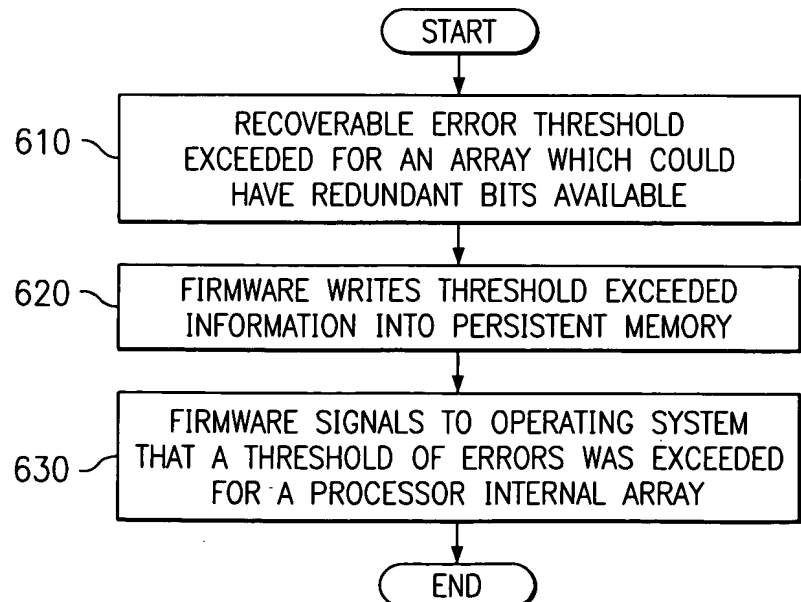


FIG. 6



START

FIG. 7

710

OS RECEIVES A SIGNAL FROM THE  
FIRMWARE THAT A RUNTIME  
PREDICTIVE FAILURE HAS OCCURRED

720

OS LOGS ERRORS INTO THE OS ERROR LOG

730

OS ERROR LOG ANALYSIS PROGRAM  
INDICATES THAT THE SYSTEM HAD AN ERROR  
WHERE THE ACTIONS ARE TO RE-IPL THE  
SYSTEM WHEN CONVENIENT AND RUN  
SYSTEM DIAGNOSTICS TO DETERMINE IF  
THE INDICATED PROBLEM PERSISTS

740

IF DYNAMIC PROCESSOR DEALLOCATION  
IS ENABLED, THE OS MIGRATES ALL  
RUNNING THREADS OFF THE PROCESSOR  
AND DOES NOT ALLOW ANY NEW ONES  
TO BE DISPATCHED TO IT

END

FIG. 9

START

910

POST  
ERROR IN  
LOG INDICATING THAT  
THE PROCESSOR IS NOT  
AVAILABLE  
?

YES

920

CUSTOMER TOLD TO REQUEST SERVICE  
ON THE SYSTEM TO REPLACE THE  
PART CONTAINING THE PROCESSOR

NO

930

ENTRY IN  
LOG SAYING PROCESSOR  
HAD A PREDICTIVE  
FAILURE?

NO

940

DIAGNOSTICS RETURNS  
WITH NO PROBLEM FOUND

YES

CUSTOMER TOLD TO REQUEST SERVICE  
ON THE SYSTEM TO REPLACE THE PART  
CONTAINING THE PROCESSOR

950

END

FIG. 8

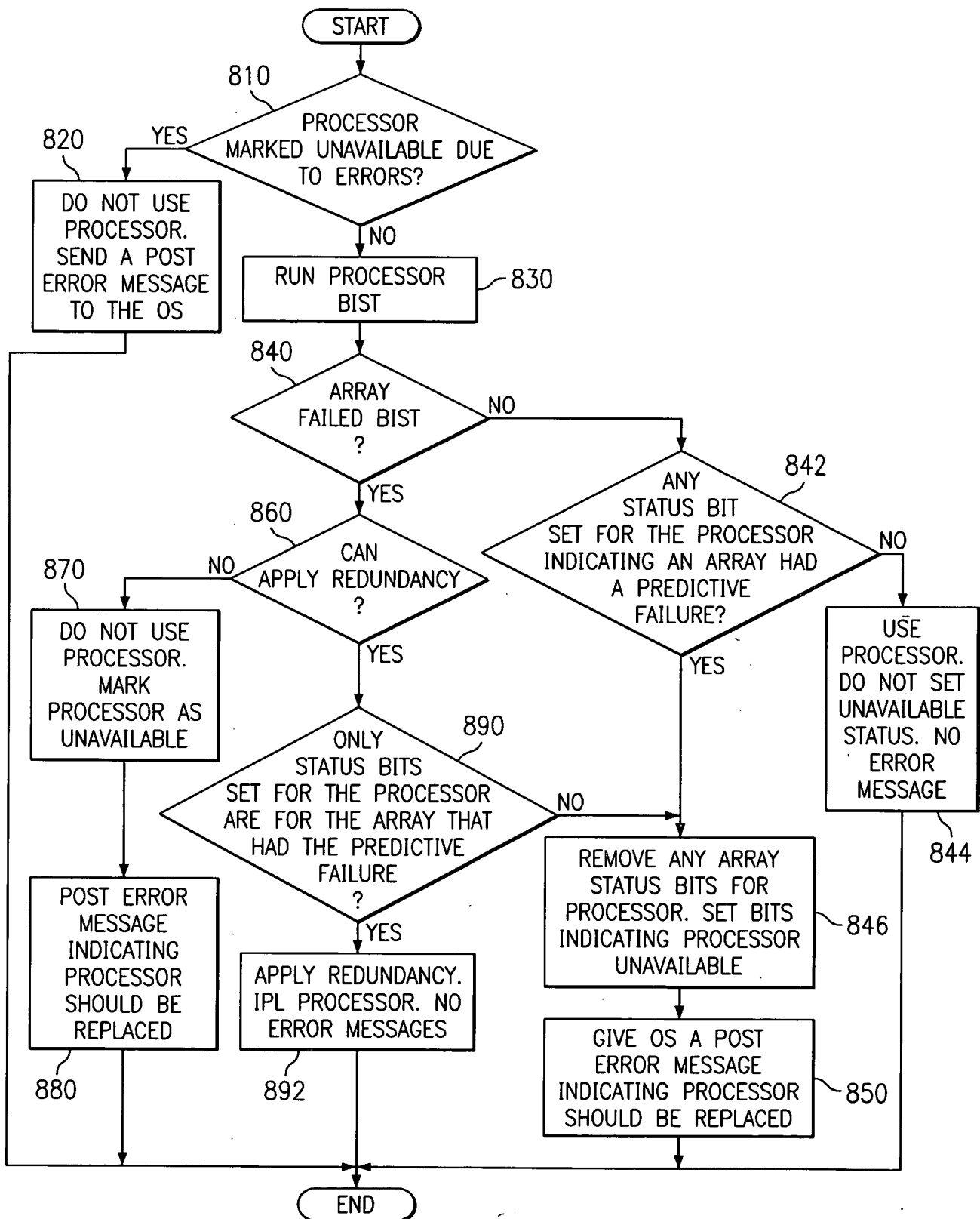


FIG. 10

